

Weekly Report

11/30/2015 - 12/06/2015

Jing XIA

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1 Summary

This week I mainly focus on the DataScanner project.

2 Projects

2.1 The DataScanner Project

I've finished the user study and case 2 in writing. Currently the initial draft is completed. During analyzing case 2, I found some system bugs in data and have fixed them.

Other interface modifications are: 1. canvas-plus-svg relation view. 2. dendrogram view.

2.2 The GeoScanner Project

Summarizing Dr. Chen's idea, we can have four data spaces of heterogeneous geo-dataset: the projection space, the hash (index) space, a space-time cube and the map space. We first map the data into a projection space, then hash the data in projection space. The space-time cube is the raw data space and the map space depicts data on their geo-space. All four spaces are coordinated. With the four spaces, we should be able to do data fusion of the heterogeneous datasets, evaluating the schema mapping quality. Uncertainty questions such as how much data can be mapped can be answered.

I've asked Shi Zhengyang to get his hands on the dataset. And I will look into the process in depth.

3 Paper Reading and Miscellaneous

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4 To Do List

1. DataScanner writing and system improvement.
2. GeoScanner idea initialization.